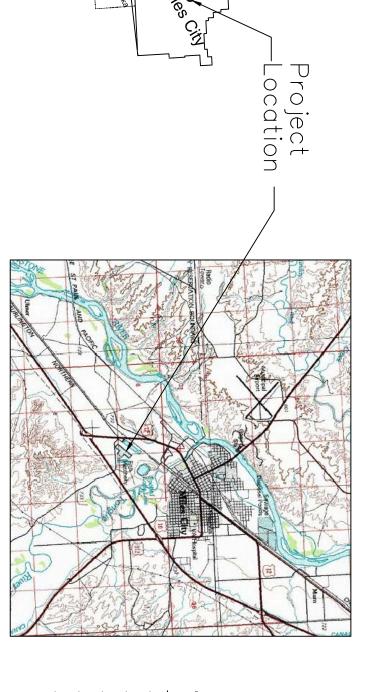
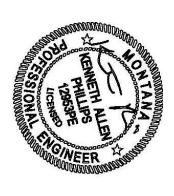


Miles City Hatchery Liner Repair

Prepared By Design & Construction Bureau P.O. Box 200701 Helena, MT 59620-0701





Γable of Contents

Sheet 3 Sheet 2 Sheet 1 Sheet 5 Sheet 4 Pond 20 Liner Replacement Pond 18 Liner Replacement Slump Repairs Site Plan

DRAWN BY:

REVISED BY:

APPROVED BY:

No Scale

/icinity Map

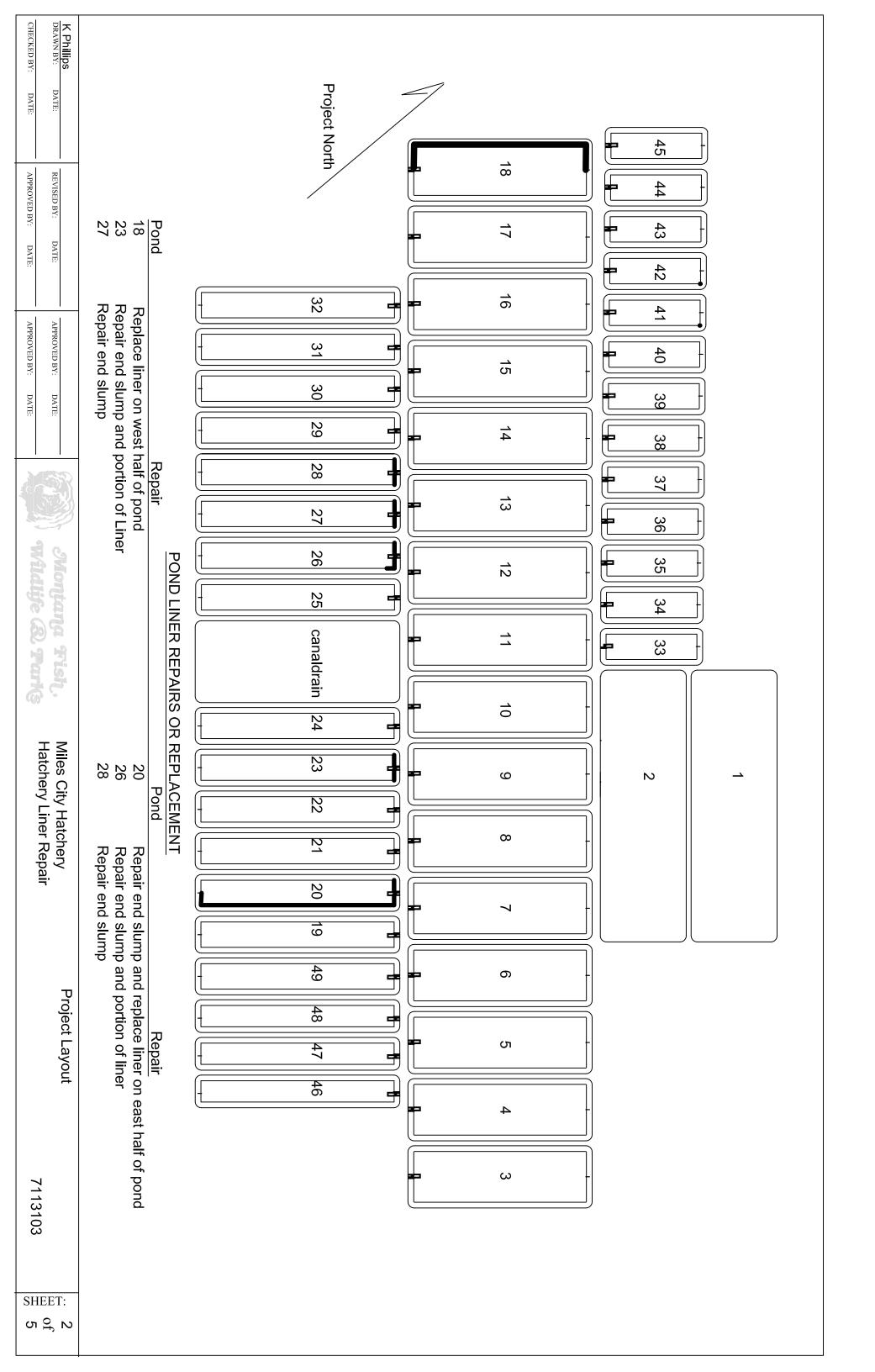
CHECKED BY:

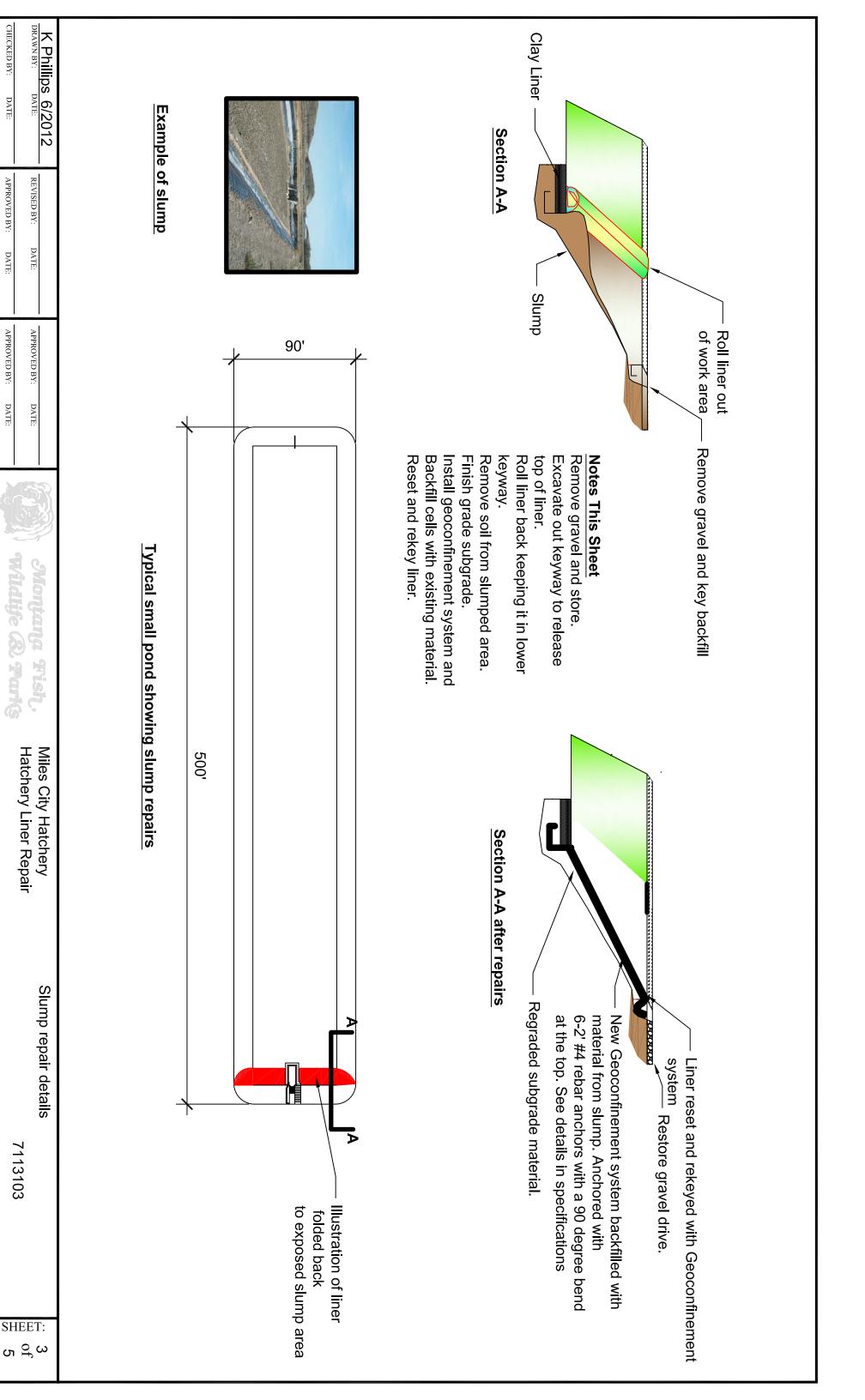
DATE:

APPROVED BY:

DATE:

APPROVED BY:





CHECKED BY:

DATE:

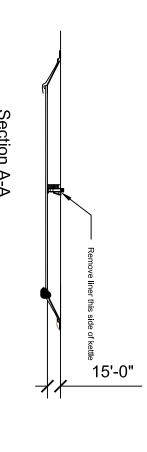
APPROVED BY:

DATE:

APPROVED BY:

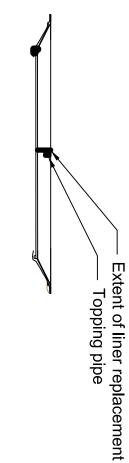
DATE:

Pari(S



Section A-A

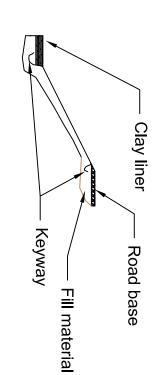
- 1. Remove liner from kettle by removing from termination strip Notes Section A-A
- Replace new liner to kettle with new termination strip.
 If holes are reused expoxy anchors into the existing



Section B-B

Notes on Section B-B

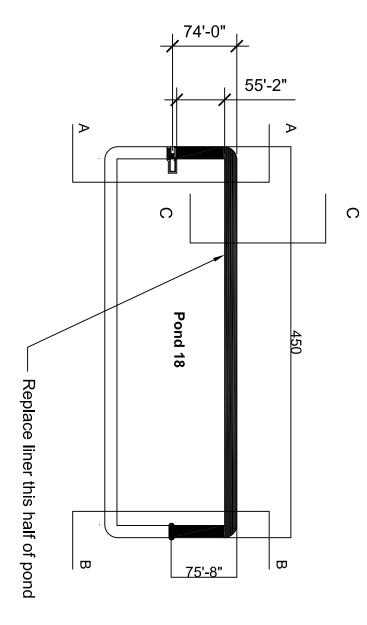
Cut liner approximately 1 foot from the topping pipe penetration. Cut line in a neat straight line running verticle down the slope, perpendicular to the bottom of the pond. Allow enough material to properly weld the new liner to the



Section C-C

Notes on Section C-C

wide a smooth radii, 2' deep and 2' 1. Key in top and bottom of liner in



Notes for Pond 18

- continuing along the entire northeast side along the eastern side and almost to the fill pipe on A. Pond 18 will have half of its existing liner removed starting at the easterly side of the kettle
- B. Contractor to salvage all the gravel material from the road way above the keyway to allow
- removal of the old liner from the keyway. Salvage fill material to rebed the liner. C. Remove clay soil layer at the bottom of the pond along edge of wall to access the keyway for the bottom of the liner. Store this material so that it does not get contaminated with other material for reuse. The material can be placed in a windrow adjacent to the trench at the
- D. After placing liner compacted upper fill material in trench at 95% of standard proctor.

 E. Backfill lower trench first with fill material and then finish the last 1' with the clay material. bottom of the pond.
- type compactor at optimal moisture content.

 F. Replace, regrade and compact road mix back to the original section at the top of the pond. Ensure that the clay material has a homgenous section and then compact clay using a sled

DRAWN BY: K Phillips

DATE:

REVISED BY:

DATE:

APPROVED BY:

6/2012

CHECKED BY:

DATE:

APPROVED BY:

DATE:

APPROVED BY:

Wildlife & Farks Montana Fish,

Hatchery Liner Repairs Miles City Hatchery

Pond 18 Details

7113103 ET: 4 SHEET: 5

